Flight-Testing Newton's Laws						
2005 Science						
Content Standards						
South Dakota Scien	nce					
Grades 9-12						
Activity/Lesson	State	Standards				
		SCI.9-12.9-	Evaluate speed, velocity, and acceleration both			
Session-10 (1-5)	SD	12.P.2.1.a	qualitatively and quantitatively.			
Session-10 (1-5)		SCI.9-12.9-	Distinguish between velocity and acceleration as			
	SD	12.P.2.1.d	related to force.			
Session-10 (1-5) Session-10 (1-5) Session-1 (1-17)		SCI.9-12.9-	Describe how inertia is related to Newton's First			
	SD	12.P.2.2.a	Law.			
		SCI.9-12.9-	Explain how force, mass, and acceleration are			
	SD	12.P.2.2.d	related.			
		SCI.9-12.9-	Evaluate speed, velocity, and acceleration both			
	SD	12.P.2.1.a	qualitatively and quantitatively.			
		SCI.9-12.9-	Distinguish between velocity and acceleration as			
Session-1 (1-17)	SD	12.P.2.1.d	related to force.			
Session-1 (1-17)		SCI.9-12.9-	Describe how inertia is related to Newton's First			
	SD	12.P.2.2.a	Law.			
Session-1 (1-17)	0.0	SCI.9-12.9-	Explain how force, mass, and acceleration are			
	SD	12.P.2.2.d	related.			
		SCI.9-12.9-	Describe how inertia is related to Newton's First			
Session-2 (1-10)	SD	12.P.2.2.a	Law.			
		SCI.9-12.9-	Evaluate speed, velocity, and acceleration both			
Session-3 (1-6)	SD	12.P.2.1.a	qualitatively and quantitatively.			
Session-3 (1-6)		SCI.9-12.9-	Distinguish between velocity and acceleration as			
	SD	12.P.2.1.d	related to force.			
Session-3 (1-6)		SCI.9-12.9-	Describe how inertia is related to Newton's First			
	SD	12.P.2.2.a	Law.			
Session-3 (1-6)		SCI.9-12.9-	Explain how force, mass, and acceleration are			
	SD	12.P.2.2.d	related.			
		SCI.9-12.9-	Distinguish between velocity and acceleration as			
Session-5 (1-6)	SD	12.P.2.1.d	related to force.			
		SCI.9-12.9-	Describe how inertia is related to Newton's First			
Session-5 (1-6)	SD	12.P.2.2.a	Law.			
Session-6 (1-8)		SCI.9-12.9-	Evaluate speed, velocity, and acceleration both			
	SD	12.P.2.1.a	qualitatively and quantitatively.			
Session-6 (1-8)	0.0	SCI.9-12.9-	Distinguish between velocity and acceleration as			
	SD	12.P.2.1.d	related to force.			
Session-6 (1-8)	0.0	SCI.9-12.9-	Describe how inertia is related to Newton's First			
	SD	12.P.2.2.a	Law.			
Session-6 (1-8)	0.0	SCI.9-12.9-	Explain how force, mass, and acceleration are			
	SD	12.P.2.2.d	related.			
Session-7 (1-5)	0.0	SCI.9-12.9-	Distinguish between velocity and acceleration as			
	SD	12.P.2.1.d	related to force.			
Session-7 (1-5)		SCI.9-12.9-	Describe how inertia is related to Newton's First			
	SD	12.P.2.2.a	Law.			
0	0.0	SCI.9-12.9-	Distinguish between velocity and acceleration as			
Session-8 (1-9)	SD	12.P.2.1.d	related to force.			
	0.0	SCI.9-12.9-	Describe how inertia is related to Newton's First			
Session-8 (1-9)	SD	12.P.2.2.a	Law.			

		SCI.9-12.9-	Distinguish between velocity and acceleration as
Session-9 (1-7)	SD	12.P.2.1.d	related to force.
		SCI.9-12.9-	Describe how inertia is related to Newton's First
Session-9 (1-7)	SD	12.P.2.2.a	Law.